Order-No.: DD+DIS026.00E

1 Piece QJQ64 MA1

May 2000

ADC System Components

CCM-Tool

Section 6.2

Network Configuration:

Creation and Adaptation of the Configuration File (Version 11xx)

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This document describes only how the network configuration is done with the help of the CCM-tool.
For a complete description of all the functionalities CCM11xx offers, please refer to document **DD+DIS116.00E**

1 Creation and Adaptation of the Configuration File

Before you start the adaptation of the configuration file to the customer specific network parameters, assign the necessary addresses and names with the local network administrator. Note the data in the enclosed form.

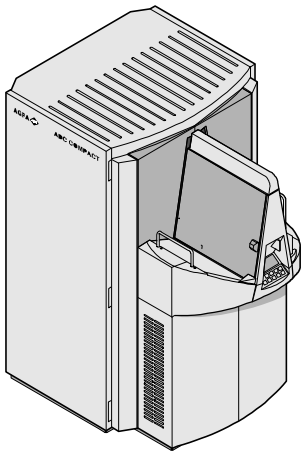
1.1 Which Data is necessary for the Configuration?

The following data is mandatory:

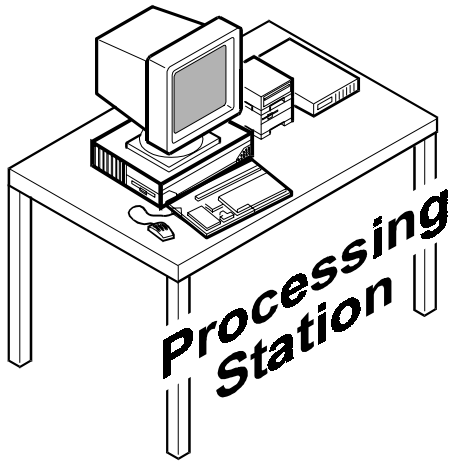
hostname
ip-address
AE-title
stationname

Below and on the next page you see an example of an ADC System installation. It illustrates all necessary network data, which you assigned together with the application specialist and the local network administrator.

hostname:	**adcc1**
ip_addr.:	**192.9.200.199**
subnet_mask:*	**<** **>**
default router:*	**<** **>**
AE_title:	**ADC_COMPACT**
StationName:	**Scanner_199**

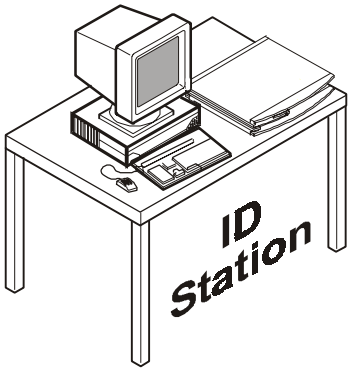


hostname:	**vips203**
ip_addr.:	**192.9.200.203**
subnet_mask:*	**<** **>**
default router:*	**<** **>**
AE_title:	**VIPS_203**
StationName:	**Vips_203**

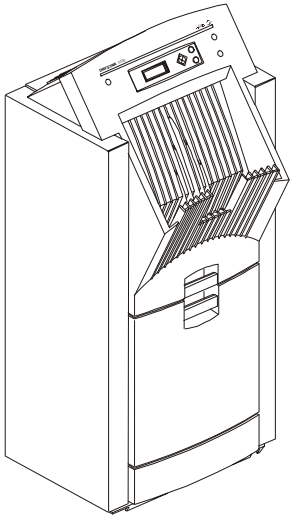


*depends on the local network of the hospital.

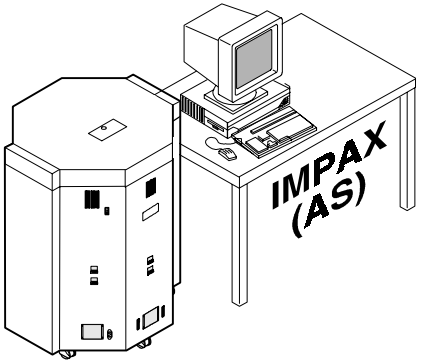
hostname:	**Id207**
ip_addr.:	**192.9.200.207**
subnet_mask:*	**<** **>**
default router:*	**<** **>**
AE_title:	**ID_207**
StationName:	**ID-Station_207**



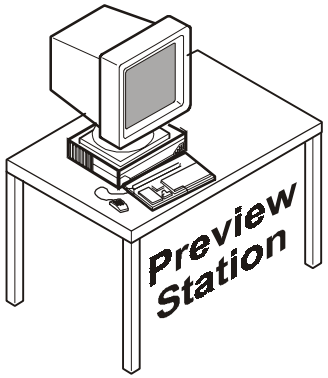
hostname:	**dry202**
ip_addr.:	**192.9.200.202**
subnet_mask:*	**<** **>**
default router:*	**<** **>**
AE_title:	**DRYSTAR3000**
StationName:	**Dry3000_202**



hostname:	**idrars1**
ip_addr.:	**192.9.200.103**
subnet_mask:	**<** **>**
default router:	**<** **>**
AE_title:	**AS1**
StationName:	**Impax_Arch_1**



hostname:	**prev206**
ip_addr.:	**192.9.200.206**
subnet_mask*:	**<** **>**
default router:*	**<** **>**
AE_title:	**PREV206**
StationName:	**Preview_206**



*depends on the local network of the hospital.

1.2 Edit the Configuration File with the CCM Tool

- Start the CCM Tool on your Service PC by double-clicking the CCM Icon.
- Type in your name (used for history and session information) and confirm.
- Click button **<Create CPF from scratch>**.

If the left 3 buttons are disabled, you have to click **<CLEAR all tables>**.

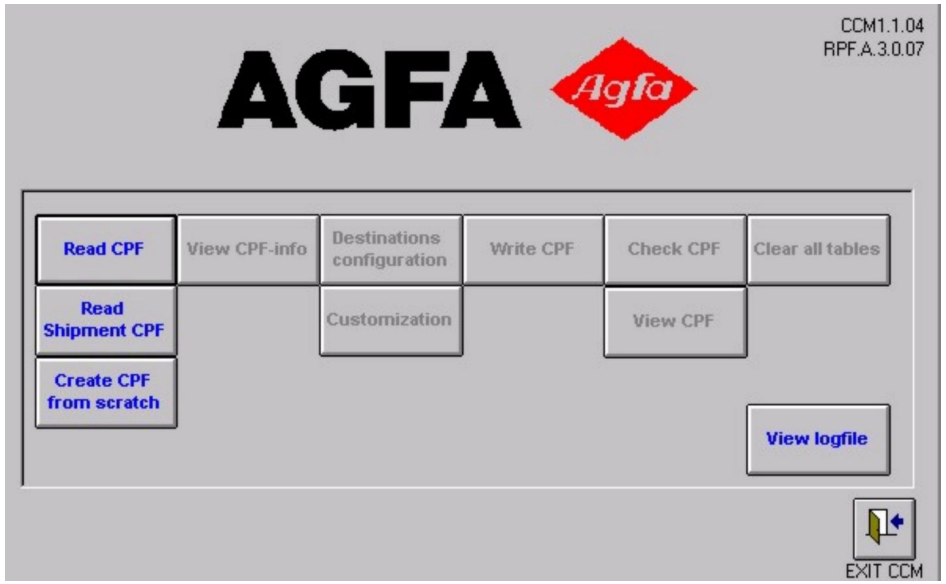


Figure 1

- Choose the RPF language (Language of the examinations) and confirm.

basic = English.

- Click button **<Destinations configuration>**.

1.2.1 Menu <Destinations Configuration>

Fill in the network parameters in the following sequences:
Installation of devices:
Network - Application - Devices.
Deinstallation of devices:
Devices - Application - Network

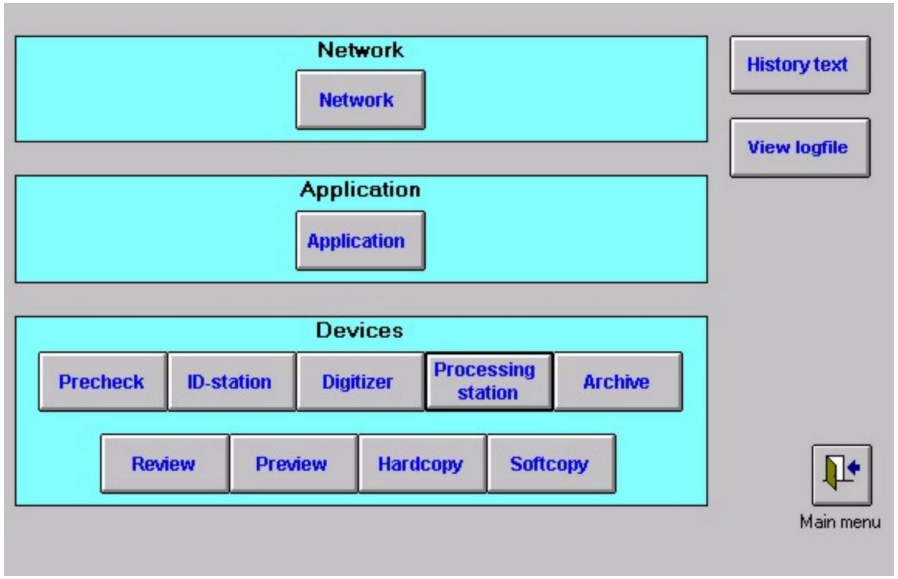


Figure 2

1.2.2 Menu <Network Hosts>

- Click button **<Network>**.
- Click button **<ADD>**.

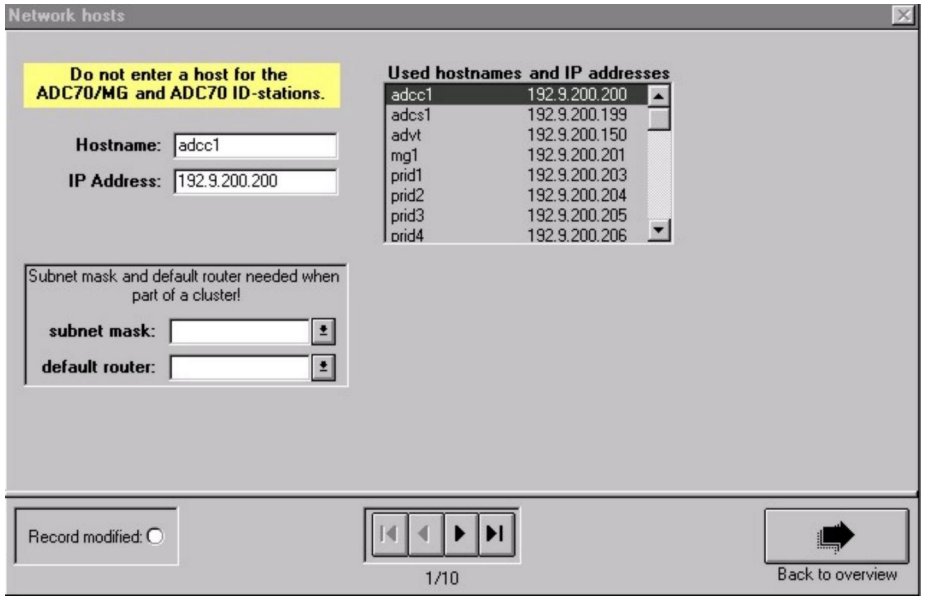


Figure 3

- Type in the network data (hostname, IP address and if required the subnet_mask and the default_router).
- Repeat this until all network components are added.
- Click button **<Back to overview>** (the data will be stored).

Example of a completely filled Menu

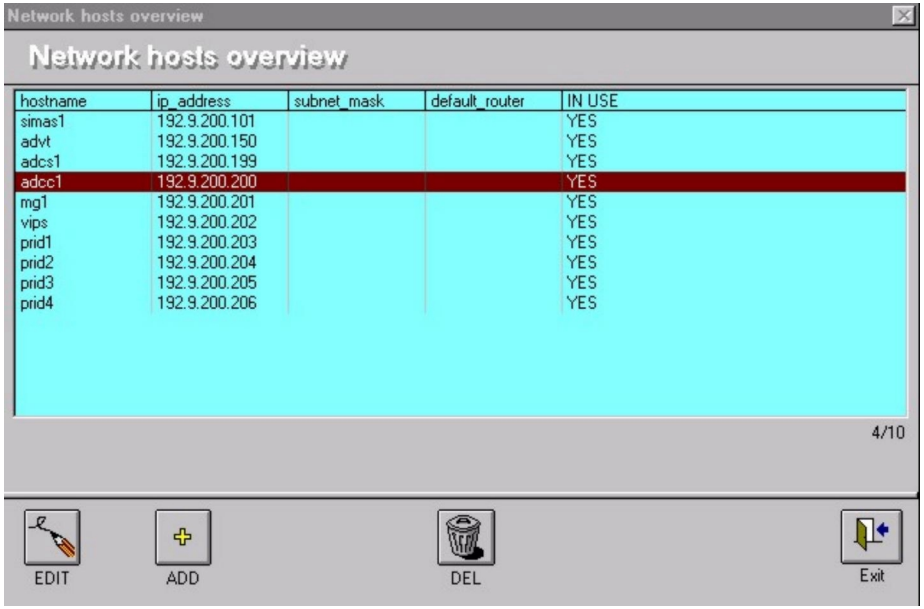


Figure 4

The data in the window are only examples.

- Click button **<Exit>**.

1.2.3 Menu <Application type Information>

- Click button **<Application>**.
- Click button **<ADD>**.

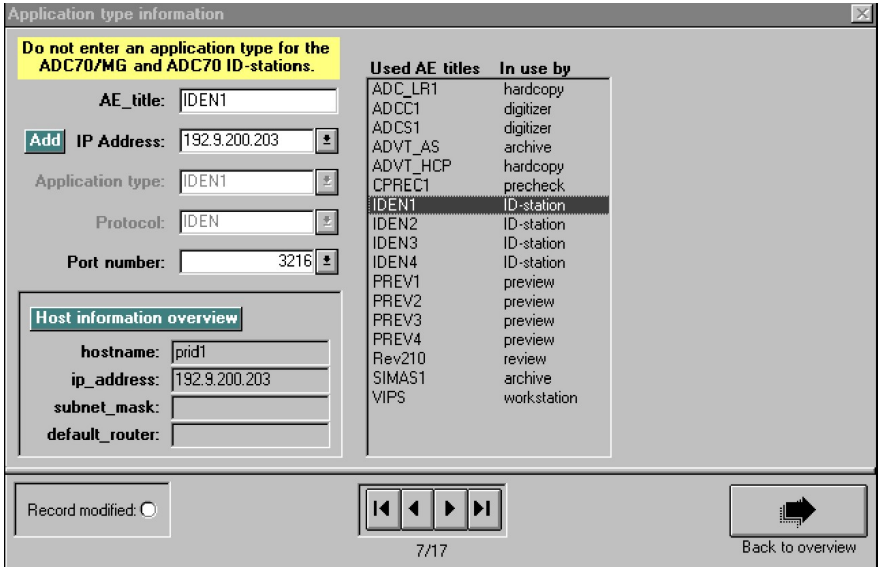


Figure 5

- Type in the AE_title.
- Select the belonging IP_adress.
- Select the belonging Application type (see table beside).
- Check the pre-determined Protocol and Port number or change it (see table beside).
- Repeat this for all network components.
- Click button **<Back to overview>**.

Example

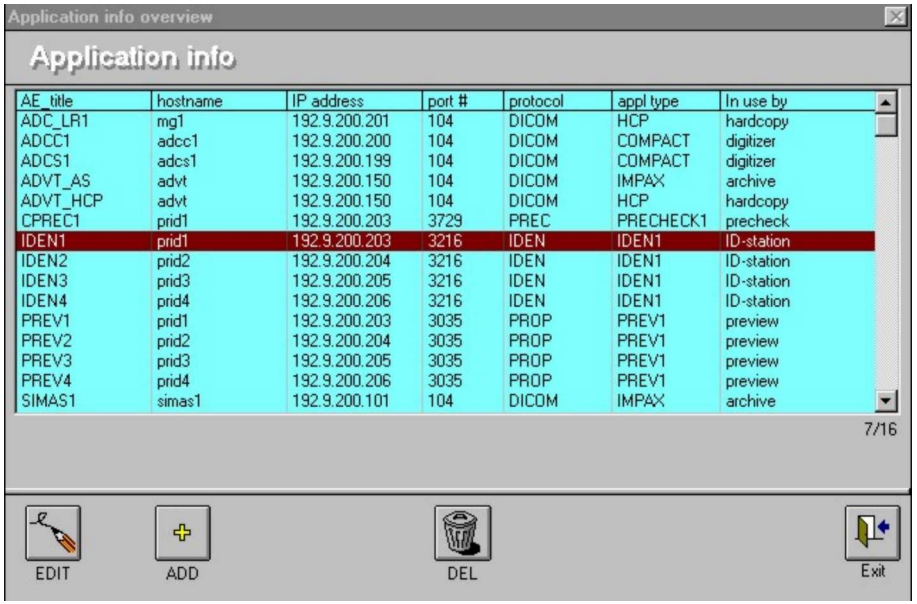

Application info overview
Application info
AE_title hostname IP address port # protocol appl type In use by
ADC_LR1 mg1 192.9.200.201 104 DICOM HCP hardcopy
ADCC1 adcc1 192.9.200.200 104 DICOM COMPACT digitizer
ADCS1 adcs1 192.9.200.199 104 DICOM COMPACT digitizer
ADVT_AS advt 192.9.200.150 104 DICOM IMPAX archive
ADVT_HCP advt 192.9.200.150 104 DICOM HCP hardcopy
CPREC1 prid1 192.9.200.203 3729 PREC PRECHECK1 precheck
IDEN1 prid1 192.9.200.203 3216 IDEN IDEN1 ID-station
IDEN2 prid2 192.9.200.204 3216 IDEN IDEN1 ID-station
IDEN3 prid3 192.9.200.205 3216 IDEN IDEN1 ID-station
IDEN4 prid4 192.9.200.206 3216 IDEN IDEN1 ID-station
PREV1 prid1 192.9.200.203 3035 PROP PREV1 preview
PREV2 prid2 192.9.200.204 3035 PROP PREV1 preview
PREV3 prid3 192.9.200.205 3035 PROP PREV1 preview
PREV4 prid4 192.9.200.206 3035 PROP PREV1 preview
SIMAS1 simas1 192.9.200.101 104 DICOM IMPAX archive
7/16
EDIT
ADD
DEL
Exit

Figure 6

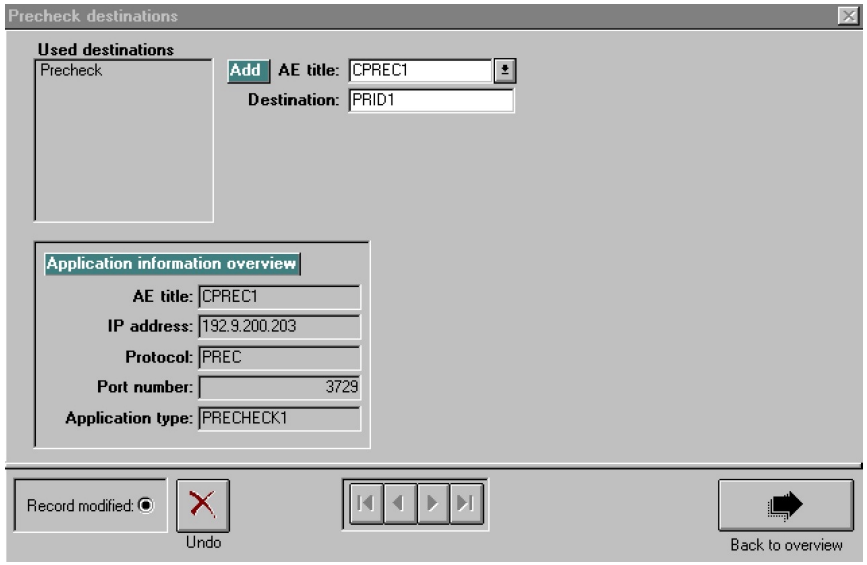
- click button **<Exit>**.

Application types	Protocol	Port #	Comment
IMPAX	DICOM	104	archive for AGFA NWG
IMPAX	DICOM	depends on destination	review for 3rd party stations only
HCP	DICOM	104	Hardcopy destination type
SCP	NFS	0	Softcopy destination type
PS5000	DICOM	104	PS5000 applic.; only for ADC 70
COMPACT	DICOM	104	ADC COMPACT application
DIPS1	DICOM	104	Image processing workstation application
PREV1	PROP	3035	PREVIEW STATION application
IDEN1	PROP	3035	ID STATION application
PRECHECK	PREC	3729	Appl. type for fast preview

1.2.4 Menu <Precheck>

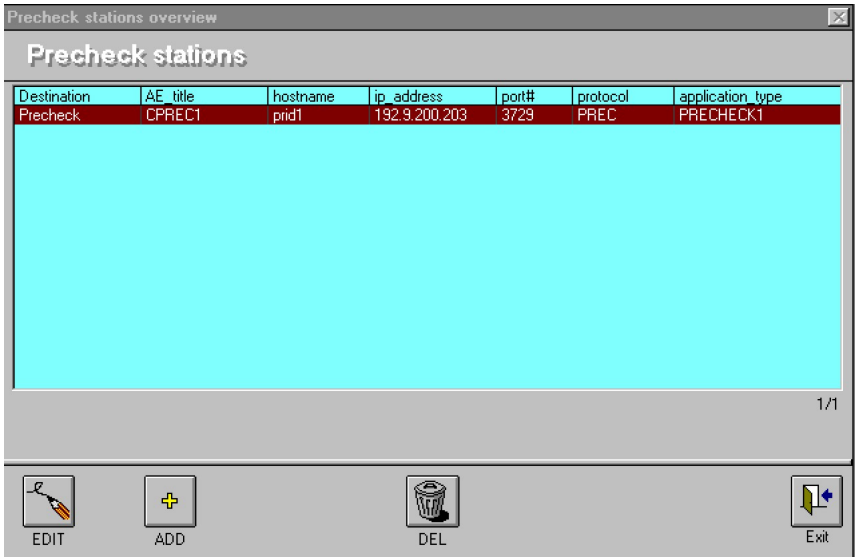
Precheck is only supported from PRID12xx, COP13xx, SOL12xx on.
Do not change anything for lower versions.

- Click button **<Precheck>**
- Click button **<ADD>**



- Select the Precheck Station via AE_title.
- Type in the destination name.
- Click button **<Back to overview>**.

Example



- Click button **<Exit>**.

1.2.5 Menu <ID-Station>- <Digitizer>- <Processing Station>

- Click button **<ID-Station>**
- Click button **<ADD>**

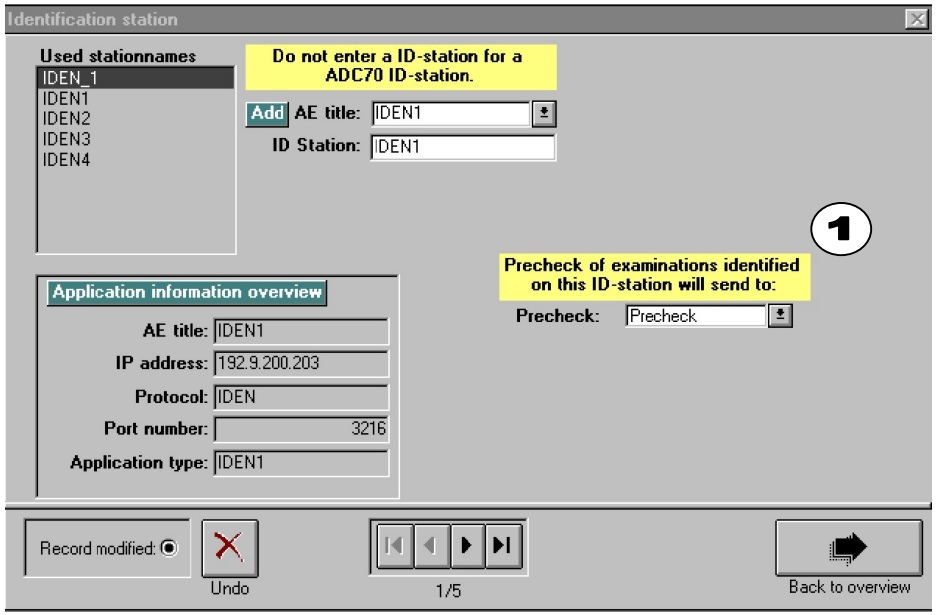


Figure 7

- Select the ID-Station via AE_title.
- Type in the IDStationName respectively the destination name.
- Repeat this for all ID-Stations.
- Click button **<Back to overview>**.
- Repeat the procedure for **<Digitizer>** and **<Workstation>**.

Example

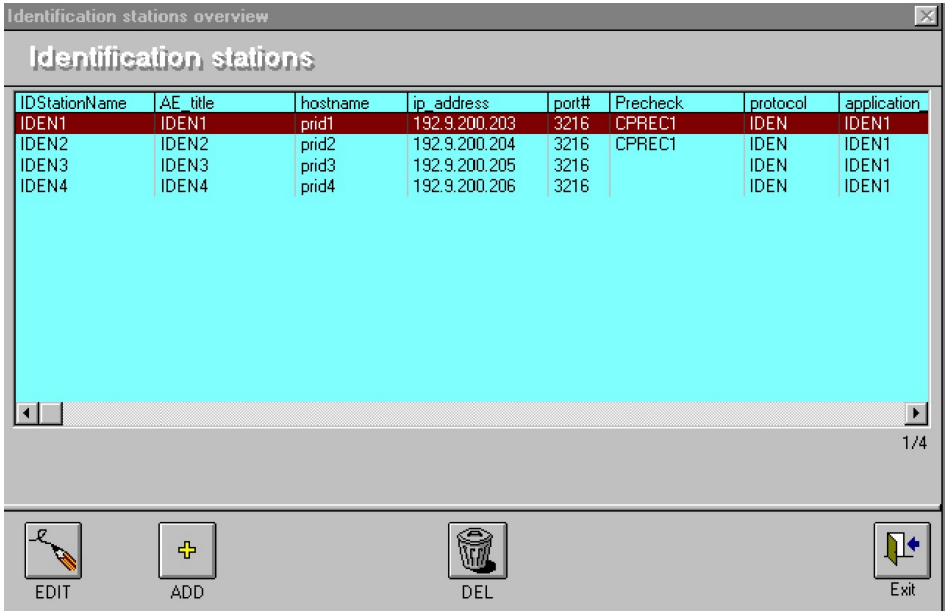

Identification stations overview
Identification stations
IDStationName AE_title hostname ip_address port# Precheck protocol application
IDEN1 IDEN1 prid1 192.9.200.203 3216 CPREC1 IDEN IDEN1
IDEN2 IDEN2 prid2 192.9.200.204 3216 CPREC1 IDEN IDEN1
IDEN3 IDEN3 prid3 192.9.200.205 3216 IDEN IDEN1
IDEN4 IDEN4 prid4 192.9.200.206 3216 IDEN IDEN1
1/4
EDIT
ADD
DEL
Exit

Figure 8

- Click button **<Exit>**.

(1) If you do not select any "Precheck" destination here, but "Fast Preview" is activated, the images will arrive on the ID-Station where the cassette was identified. This is the default setting.

1.2.6 Menu <Archive destinations>

- Click button **<Archive>**.
- Click button **<Add>**.

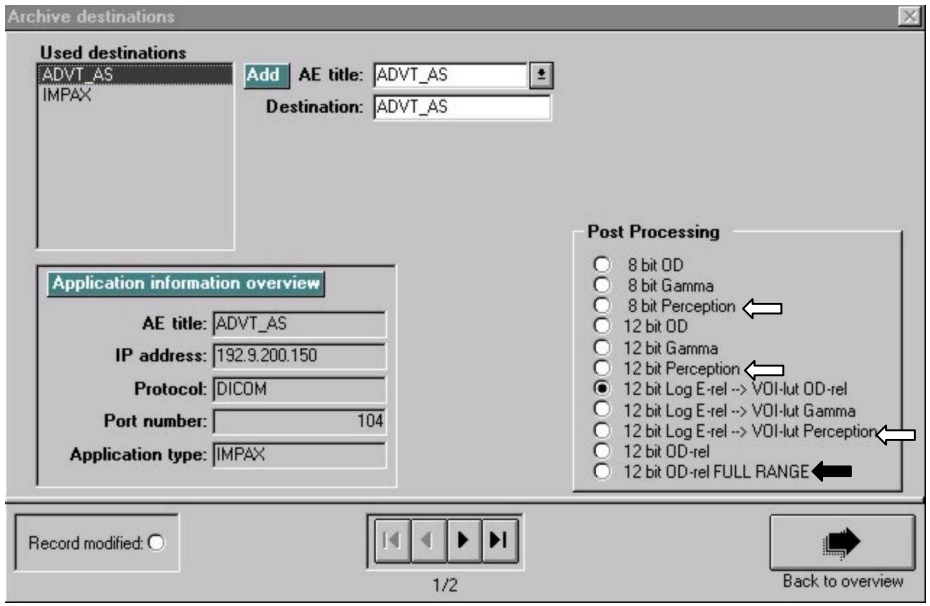


Figure 9

- Select the Archive Station via AE_title.
- Type in the Destination (name).
- Click button **<Back to overview>**.

The images have to be sent to a Network Gateway!

- **For IMPAX we recommend the following selections:**
- Pixel depth: **12 bits**.
- Image type: **LogE-rel**.
- OLUT: **LINEAR**

Example

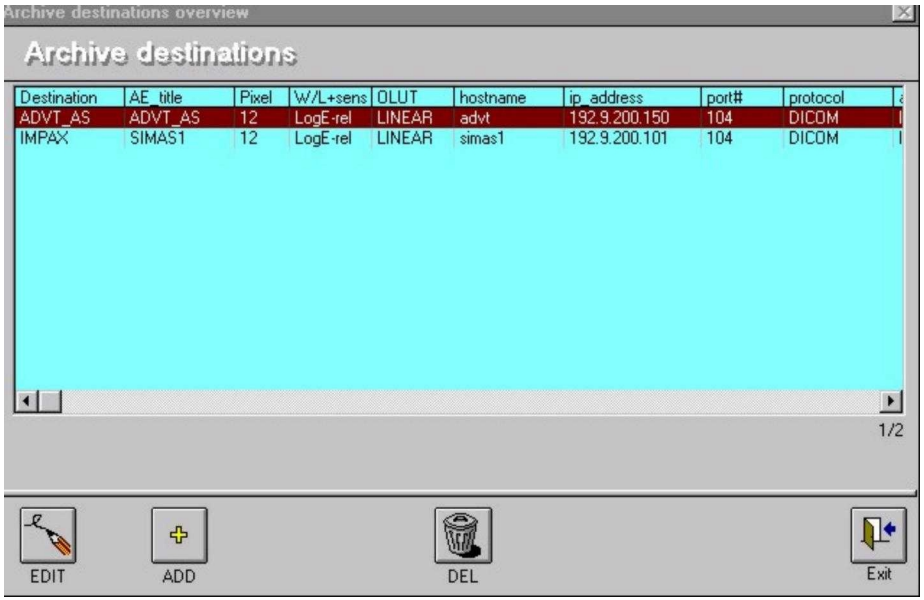


Figure 10

- Click button **<Exit>**.

"Perception Lut" (white arrows) only available from VIPS 12XX on. Do not select if you have a lower version.

"12bit OD-rel FULL RANGE" (black arrow) only available from VIPS 1.1.06 on

1.2.7 Menu <Review destinations>

- Click button **<Review>**.
- Click button **<Add>**.

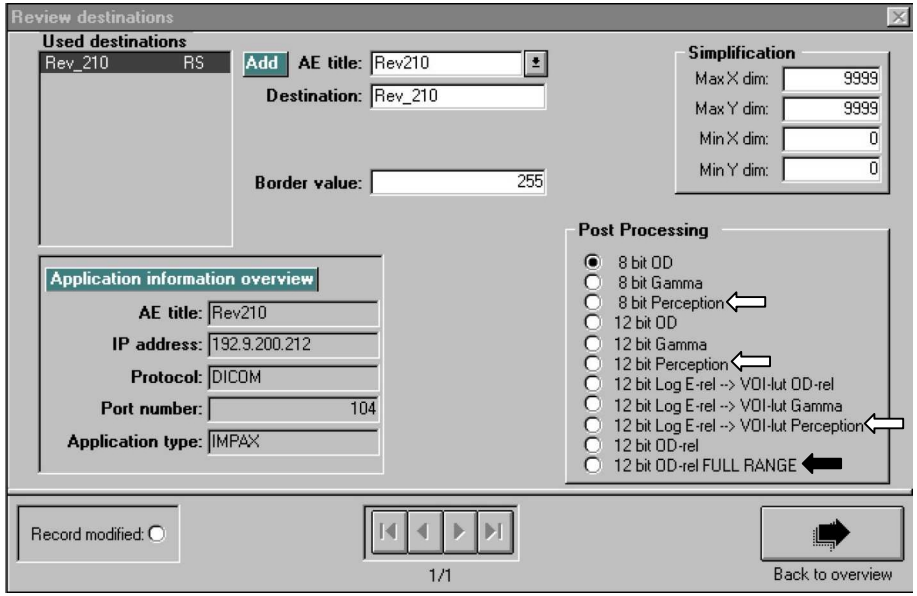


Figure 11

- Select the Review Station via AE_title.
- Type in the Destination (name) of the 3rd party device.
- Click button **<Back to overview>**.

ADC COMPACT --> IMPAX:

Do not send images directly to an IMPAX Review Station!

The images have to be sent to an IMPAX via a Network Gateway module. The routing has to be done by the NG.

ADC COMPACT → 3rd Party:

Ask the local system administrator or better the project responsible.

- **Selections for IMPAX:**

Pixel depth:	12 bits	**Min X/Y dim:**	0
Image type:	LogE-rel	**Max X/Y dim:**	9999
OLUT:	LINEAR		

Example

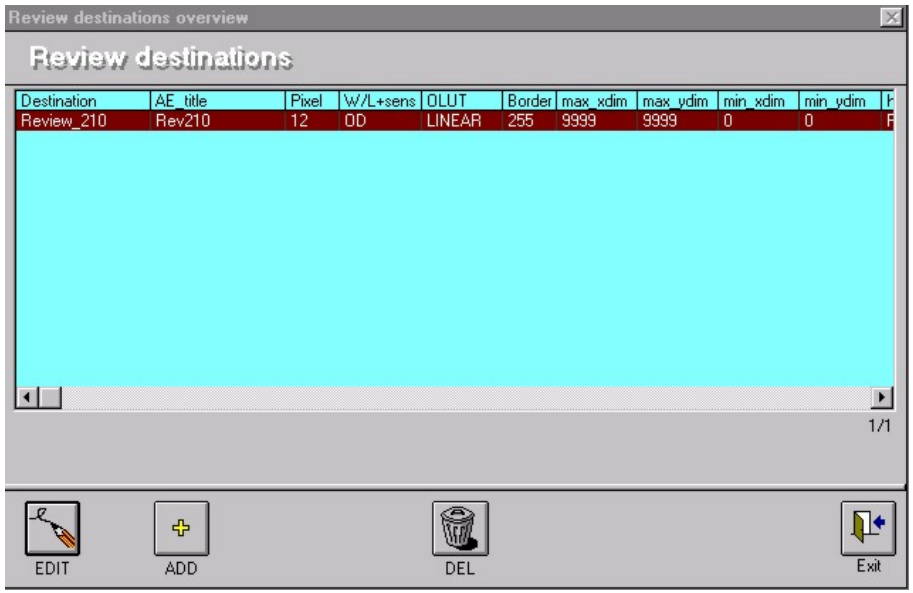


Figure 12

- click button **<Exit>**.

"Perception Lut" (white arrows) only available from VIPS 12XX on. Do not select if you have a lower version.

"12bit OD-rel FULL RANGE" (black arrow) only available from VIPS 1.1.06 on

1.2.8 Menu <Preview destinations>

- Click button **<Preview>**.
- Click button **<Add>**.

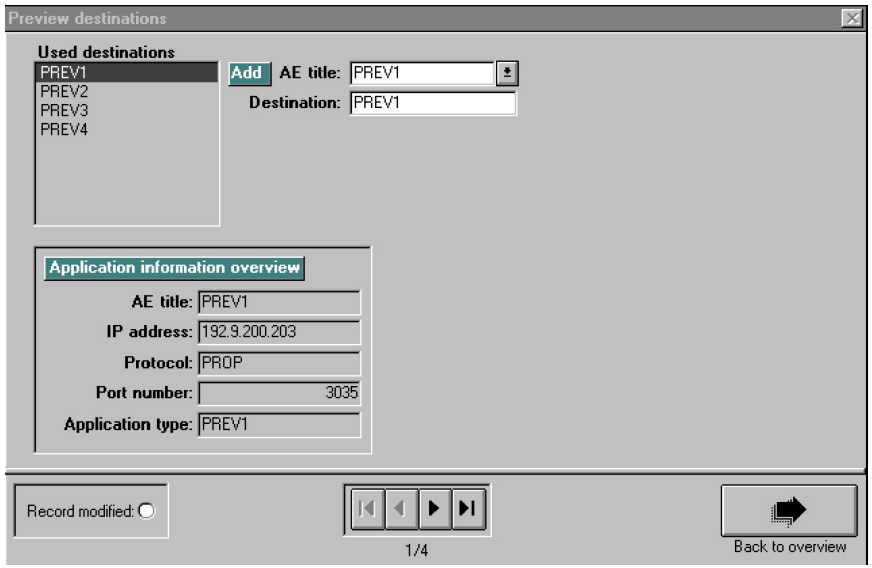


Figure 13

- Select the Preview Station via AE_title.
- Type in the Destination (name).
- Click button **<Back to overview>**.

Example

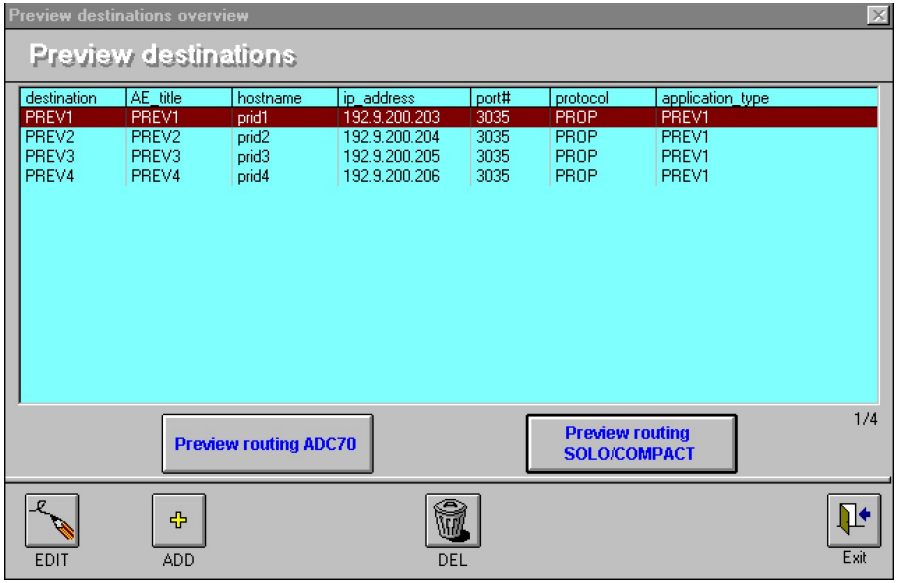


Figure 14

- Click button **<Preview SOLO/COMPACT>**.

1.2.9 Menu <Preview routing for ADC2F1>

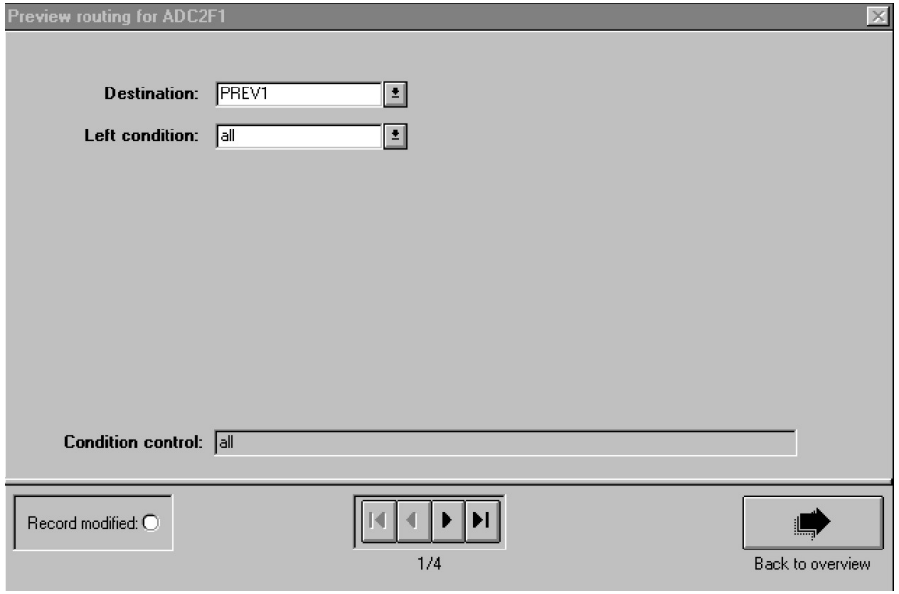


Figure 15

- Recommended selection:
  - Select the Preview–Destination.
  - Select **all** in field **<Left condition>** .

The text in the field "Condition" appears after the record was modified.

  - Click button **<Back to overview>**.

All other routing conditions have to be done by the application specialist.

Example

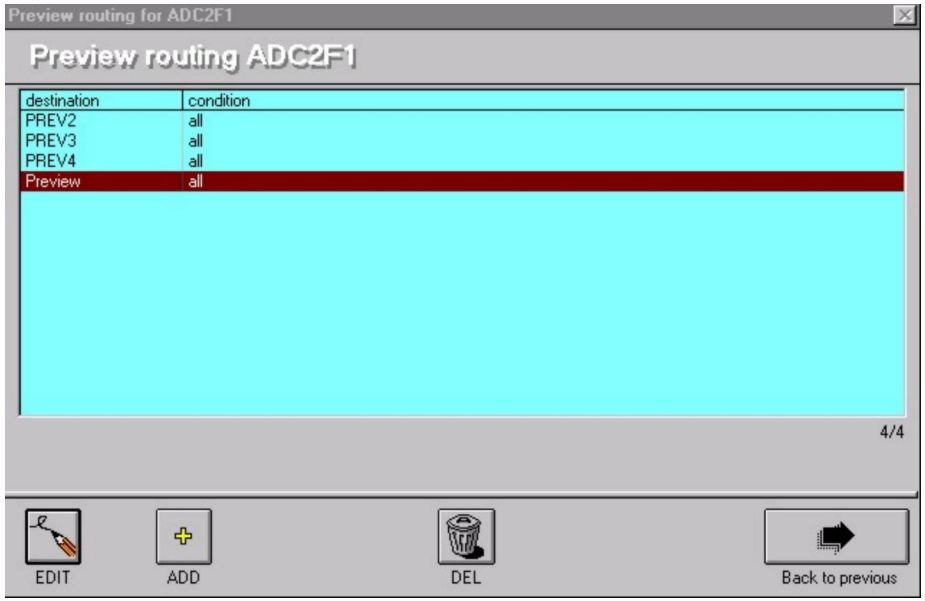


Figure 16

- Click button <Back to overview>.
- Click button **<Exit>**.

1.2.10 Menu <Hardcopy destinations>

- Click button **<Hardcopy>**.
- Click button **<Add>**.

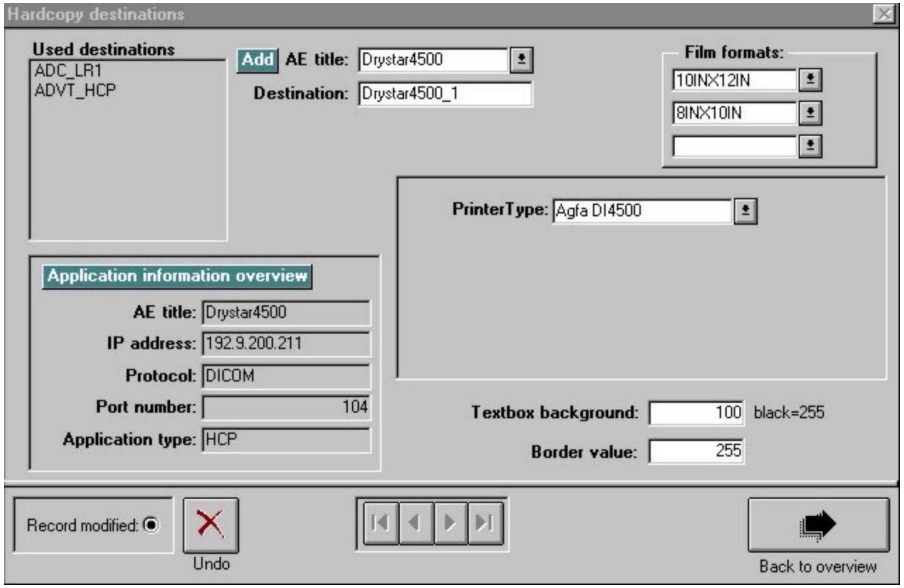


Figure 17

- Select the Hardcopy Destination via AE_title.
- Type in the Destination (name).
- Select a "Printer Type" from the list of available printers.
  (see appendix 1: supported printers, at the end of this document).

Two cases are possible:

a) Printer is in the list

(The printer list is updated regularly. Please keep yourself informed!)

- select a printer
- select the "film formats" you want to use
- click **<Back to overview>**

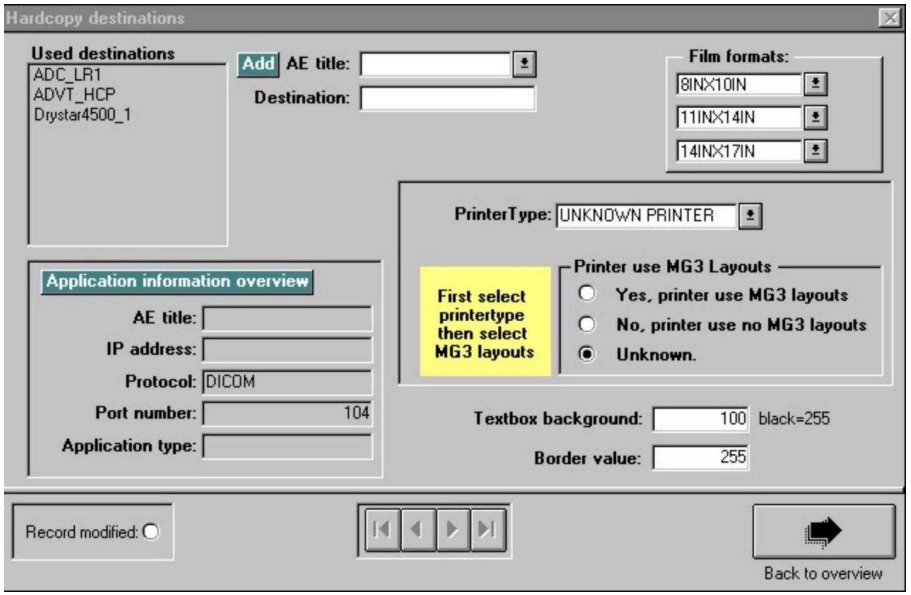


Figure 18

b) Printer is not in the list ("Unknown Printer")

If you specify a printer which is not in the list (i.e. "Unknown Printer") you need a parameter file, which has to be downloaded to the Processing Station. This parameter file contains printer specific parameters. Each of these printer parameter files has to be verified and released by AGFA before you are allowed to connect a printer of that type.
In that case please contact one of the GSCs for further assistance.

- Click **<Exit>**.

1.2.11 Menu <Softcopy destinations>

- Click button **<Softcopy destination>**.
- Click button **<Add>**.

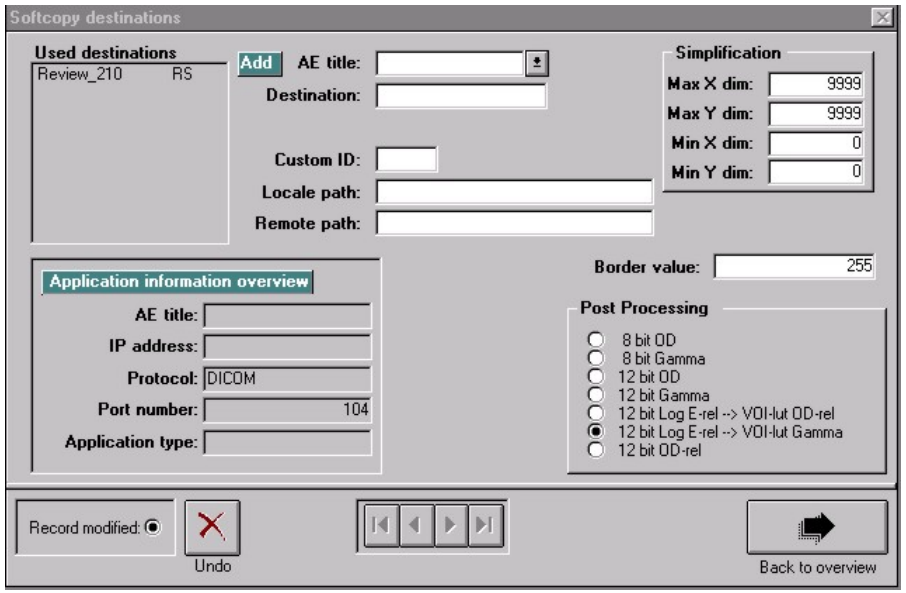


Figure 19

- Select the Softcopy destination via AE_title.
- Type in the Destination (name).
- Click button **<Back to overview>**.
- Click button **<Exit>**.
- Click button **<Main menu>**.

The further softcopy configuration has to be done by the application specialist.

1.2.12 Finish Configuration

- Click button **<Site data>**.

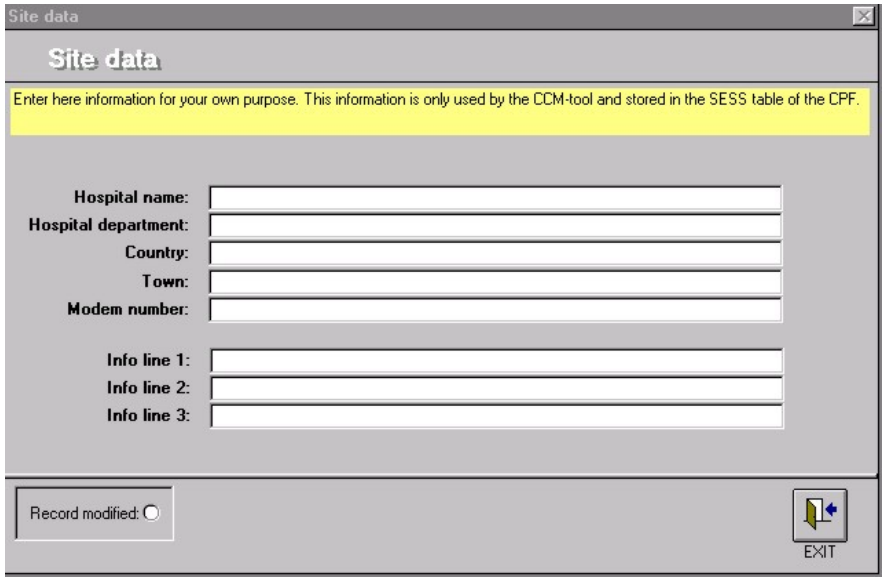


Figure 20

- Type in the site data.
- Click button **<Exit>**.

- If you want to add any comments, click button **<History text>**.

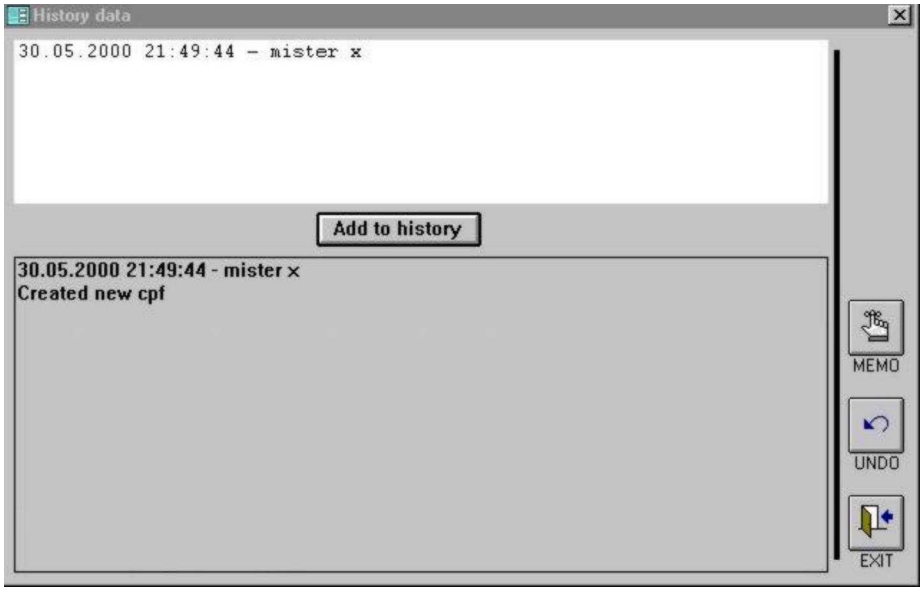


Figure 21

- Click button **<Add to history>**.
- Type in your comments.
- Click button **<Exit>**.
- Click button **<Main menu>**.
- Click **<Write CPF>** and select drive a:\ to save the file **adc.cpf** to the floppy.
- Click **<Clear all tables>** (clears PC memory).
- Click **<Exit CCM>** to close the CCM tool.

Appendix 1: Supported Printers

a) Printers tested for VIPS.1.1.05

3M - Imation 8100
3M - Imation 8300
3M - Imation 8500
3M - Imation 8600
3M - Imation 8700
AGFA DI2000 *
AGFA DI3000 *
AGFA DI4500
AGFA DI4500 Low Res
AGFA DI4700
AGFA LR3300 *
AGFA LR5200 *
AGFA LR5200 High Res *
Kodak KELP100XLP
Kodak KELP1120
Kodak KELP2180
Kodak MLP-190
Kodak XLT7720
Sterling DI400
Sterling LP400
Sterling SIJ100
Sterling SIJ400

b) Available but not tested printers

3M - Imation HQ969
Codonics NP1600
Codonics NP1660
Fuji FL-IMD
Fuji IM2636
Fuji IM3543
Fuji FM-DPL
Fuji CR-DP
Konica 10x12
Konica 11x14
Konica 14x17
Konica 8x10
Konica LI10/LI21
Konica DRYPRO 722

Printers marked with * support MG3 layouts